| Index | Ωf  | C | lai | m | • |
|-------|-----|---|-----|---|---|
| maex  | UI. | - | aı  | " | 2 |



Application No.

09/772,714

Examiner

Heather D Gibbs

Applicant(s)

SPEARS, KURT E.

Art Unit

2622

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| О | Objected |

| Cla   | im                         | Date       |          |               |  |  |          |            |         | _        |
|-------|----------------------------|------------|----------|---------------|--|--|----------|------------|---------|----------|
| - 010 |                            |            |          |               |  |  |          |            |         | $\dashv$ |
| Final | Original                   | 11/19/04   |          |               |  |  |          |            |         | į        |
|       | 1                          | -          |          |               |  |  |          |            | Ī       |          |
|       | 2                          | -          |          |               |  |  |          |            |         |          |
|       | 3                          |            |          |               |  |  |          | $\neg$     |         |          |
|       | 4                          | -          |          |               | -  |  |          |            |         | $\neg$   |
|       | 5                          | -          |          |               | _  | ·  |          |            |         | -        |
|       | 1<br>2<br>3<br>4<br>5      |            |          |               |  |  |          |            |         |          |
|       | 7                          | -          |          | _             |  | _  |          |            |         | $\neg$   |
|       | 7<br>8                     | -          |          |               |  |  |          |            |         | $\neg$   |
|       | 9                          | - 1        |          |               |  |  |          |            |         |          |
| -     | 10                         | -          |          |               |  |  |          |            |         | _        |
|       | 11                         | -          |          |               |  |  |          |            |         | $\dashv$ |
|       | 12                         | -          | _        |               |  |  |          |            |         | $\equiv$ |
|       | 13                         |            | -        | H             | T  | Ι.   |          |            |         |          |
|       | 14                         | -          |          |               |  |  |          |            |         |          |
|       | 13<br>14<br>15<br>16<br>17 | -          | -        |               | Г  |  |          |            |         |          |
|       | 16                         |            | -        | $\vdash$      | <del>                                     </del> |  |          |            |         |          |
|       | 17                         |            | _        |               | T  | $\vdash$   |          |            |         |          |
|       | 18                         | 2005       |          | Ι'''          | $\vdash$   | $\vdash$   |          |            |         |          |
|       | 18<br>19                   | 0          |          |               | _  | ┢  |          | _          |         |          |
|       | 20                         | V          |          |               | <u> </u>   | 一  |          |            |         |          |
|       | 21                         | =          |          |               |  | _  | Т        | -          |         |          |
|       | 21<br>22                   |            |          |               |  |  | $\vdash$ | l          | _       |          |
|       | 23                         |            |          |               | <b></b>  | _  |          |            |         |          |
|       | 23<br>24<br>25             |            |          |               | t  | -  | $\vdash$ |            |         | $\vdash$ |
|       | 25                         | ┢          | _        |               | i –  |  |          |            | -       | $\vdash$ |
|       | 26                         | <b>-</b>   |          | t –           | T  | <del>                                     </del> | T        | -          | 一       | _        |
|       | 26<br>27<br>28<br>29       |            | 1        | $\vdash$      | $\vdash$   |  | 一        | $\vdash$   |         |          |
|       | 28                         |            | $\vdash$ | T             |  |  |          |            |         |          |
|       | 29                         | 1-         |          | Т             |  |  |          | ļ          |         |          |
|       | 30                         | <b>-</b> - |          | Г             |  | <b>†</b>   |          |            |         |          |
|       | 31                         |            |          |               | Г  | 1  |          |            | 1       |          |
|       | 31<br>32                   |            |          |               | 1  |  | <u> </u> |            |         |          |
|       | 33                         | T          |          | T             | 1  |  |          | Ī          |         | Π        |
|       | 34                         |            |          |               | T  |  | Γ        |            |         |          |
|       | 35                         |            |          |               | 1  |  |          |            | Γ       |          |
|       | 36                         |            |          | Γ             | T  | T-   |          |            |         |          |
|       | 36<br>37                   |            |          |               |  |  | $L^{-}$  |            | $L^{T}$ |          |
|       | 38                         |            |          |               | Γ  | Γ  |          |            |         |          |
|       | 39                         |            |          | Γ             |  |  |          |            | Ľ       |          |
|       | 40                         |            |          |               | Ι  |  |          |            |         |          |
|       | 41                         |            |          |               |  | $\Gamma$   |          |            |         |          |
|       | 42                         |            |          | <u> </u>      |  |  |          |            |         |          |
|       | 43                         |            |          |               | Γ  |  |          |            |         |          |
|       | 44                         |            |          |               |  |  |          |            |         |          |
|       | 45                         |            | Γ        |               | Ι  | Γ  | $\Gamma$ | $\Gamma^-$ |         | L        |
|       | 46                         |            | Γ        | Γ             | Ι  |  |          |            |         |          |
|       | 47                         |            |          | Γ             |  |  |          |            | $L^{-}$ |          |
|       | 48                         |            |          |               | Ι  |  |          |            |         |          |
|       | 49                         |            |          |               |  |  |          |            |         |          |
|       | 50                         |            | Γ        | Γ             | Γ  |  |          |            |         |          |
|       |                            |            |          | $\overline{}$ |  |  |          |            |         | -        |

| Cla      | Date     |            |                |                |          |   |                |              |              |              |
|----------|----------|------------|----------------|----------------|----------|---|----------------|--------------|--------------|--------------|
| Final    | Original |            |                |                |          |   |                |              |              |              |
|          | 51       |            |                |                |          |   |                |              |              |              |
|          | 52       |            |                |                |          |   |                |              |              |              |
|          | 53       |            |                |                |          | !   |                |              | Ĺ.,          |              |
|          | 54       |            |                |                |          |   | L              |              |              |              |
|          | 55       |            |                |                |          |   |                |              |              |              |
|          | 56<br>57 |            |                | L              |          |   |                |              |              | Ш            |
|          | 57       | <u>L</u> . | <u> </u>       | _              | _        |   |                |              | _            |              |
|          | 58       | _          |                | ļ              | <u> </u> | _   | _              |              | _            | Н            |
|          | 59       |            |                |                | <u> </u> | -   | -              |              | _            |              |
| <u> </u> | 60       |            |                |                |          | ļ   | ⊢              | -            | _            | Н            |
|          | 61       | <u> </u>   | ⊢              |                | ⊢        | -   | ├              |              |              | Н            |
| -        | 62<br>63 | -          |                | -              |          | ├╌  | $\vdash$       | $\vdash$     |              |              |
|          | 64       | -          | ⊢              |                | $\vdash$ | ├─  | H              |              |              | Н            |
|          | 65       |            | $\vdash$       |                | $\vdash$ | $\vdash$  | -              |              | _            |              |
| -        | 66       |            |                | ┢              | 1        |   |                |              | -            |              |
|          | 67       |            |                | -              |          |   | _              | -            |              |              |
|          | 68       | <u> </u>   |                | $\vdash$       | 1        |   |                | Г            |              |              |
|          | 69       | T-         |                |                |          |   |                |              |              |              |
|          | 70       |            |                |                |          |   |                |              |              |              |
|          | 71       |            |                |                |          |   |                |              |              |              |
|          | 72       | Г          |                |                |          |   |                |              |              |              |
|          | 73       |            |                |                |          |   |                |              |              |              |
|          | 74<br>75 |            |                |                |          |   |                |              |              |              |
|          | 75       | _          |                | <u> </u>       |          | $ldsymbol{ld}}}}}}$ | L              |              | L            |              |
|          | 76       | <u> </u>   | ļ              | ļ              | <u> </u> | ļ   |                | _            |              |              |
|          | 77       | ļ          |                | ļ              | ┢        | $\vdash$  |                | ⊢            | <u> </u>     | <u> </u>     |
|          | 78       |            | <u> </u>       | -              |          | ├   |                | _            |              |              |
| <u> </u> | 79       | ├          | -              | ├              |          | ┝   |                | -            | ļ            |              |
|          | 80<br>81 | ╁          | H              | ╁              | ╁        | ⊢   |                | $\vdash$     |              | -            |
| -        | 82       | ┼          | 1              | $\vdash$       | ├        |   |                | <del> </del> | ├            | ├            |
|          | 83       | ┢          | <del> </del>   | <del> </del> - | $\vdash$ | ╁   |                | ┢            | $\vdash$     | ╁            |
|          | 84       | ╁          | <u> </u>       |                | 1        | ╁╌  | <del> </del>   |              | $\vdash$     | <del> </del> |
|          | 85       | $\vdash$   | <del>  -</del> | t              | T        | † –   | t              | -            | T            | Η-           |
|          | 86       | T          | T              | t              | 1        | †   | T              |              | 1            | <u> </u>     |
|          | 87       | 1          | Π              |                | T        |   | Ι_             |              | Π            | Τ            |
|          | 88       |            |                |                |          |   |                | L            |              |              |
|          | 89       |            |                |                | Γ        |   |                |              |              |              |
|          | 90       |            |                |                |          |   | 匚              |              |              | 匚            |
|          | 91       |            | L              |                |          | $\Box$  |                | L            |              | L.           |
|          | 92       | 1_         |                | <u> </u>       | Ļ.       | <u> </u>  | <u> </u>       | <u> </u>     | _            | <u>_</u>     |
|          | 93       | _          | 1              | 1              | 1        | 1_  | <u> </u>       | <u> </u> _   | ↓_           | 1_           |
|          | 94       | -          | <u> </u>       | <u> </u>       | 1        | 1-  | ļ.             | -            | <del> </del> | <del> </del> |
| -        | 95       | ┼          | _              | <del> </del>   | ┼-       | $\vdash$  | 1              |              |              |              |
| -        | 96       | -          | -              | $\vdash$       | ╁        | 1   | <del> </del> - | -            | ┾-           | $\vdash$     |
| -        | 97       | +          | ┼              | +              | ╄        | +-  | +              | +            | +            | $\vdash$     |
| -        | 98<br>99 | +          | ├-             | 1              | ╁        | +   | -              | ╁            | ┼-           | +-           |
|          | 100      | ┼─         | +              | ╁              | +-       | +   | +-             |              | ╁            | $\vdash$     |
| Ь        | 1100     |            | 1              | 1              | 1        | Щ.  | 1              | 1            | <u> </u>     | <u> —</u>    |

| Cla          | aim_  |  |              |              |  | Date         | 9        |                |          |           |
|--------------|---|--|--------------|--------------|--|--------------|----------|----------------|----------|-----------|
| Ċ            |   |  |              |              |  |              |          |                |          |           |
| ā            | Original  |  |              |              |  |              |          |                |          |           |
| Final        | īĝ  |  |              |              |  |              |          |                |          |           |
| _            | 0   |  |              |              |  |              |          |                |          |           |
|              | 101   |  | _            | _            | _  |              |          |                | -        | Н         |
|              | 102   | _  |              | _            |  |              | _        |                |          | Н         |
|              | 101<br>102<br>103<br>104<br>105<br>106<br>107                             |  | $\vdash$     |              | $\vdash$   |              |          |                |          | $\vdash$  |
|              | 104   | -  | _            |              |  |              |          |                |          |           |
|              | 105   |  |              | -            |  |              |          |                | -        | $\vdash$  |
|              | 106   | -  | _            | <u> </u>     | -  | -            | $\vdash$ | _              |          | -         |
|              | 107   |  | -            | <u> </u>     |  | <del> </del> | -        | -              | ┢        | Н         |
| -            | 107   |  |              | ┢            |  |              |          | -              | ├─       | $\vdash$  |
|              | 100   | -  | _            |              |  |              | -        |                | ┢╌       | Н         |
|              | 1109  | $\vdash$   |              | $\vdash$     | _  |              | -        |                | $\vdash$ | Н         |
|              | 110   | <u> </u>   | <del> </del> | -            |  | -            |          |                | <u> </u> | -         |
|              | 111   |  | $\vdash$     |              | $\vdash$   | $\vdash$     | _        |                |          | $\vdash$  |
|              | 112   | $\vdash$   |              |              | $\vdash$   |              |          | <u> </u>       | <u> </u> |           |
|              | 113   | <u> </u>   | ļ            |              |  | ⊢–           | H        | <u> </u>       |          | Н         |
|              | 114   | <u> </u>   | <u> </u>     | <u> </u>     |  | <u> </u>     | $\vdash$ | <u> </u>       | <u> </u> | Ш         |
| ļ            | 115   |  | <u> </u>     | <del> </del> | ļ  | <u> </u>     | <u> </u> | <u> </u>       |          |           |
|              | 116   | <u> </u>   |              | <u> </u>     | <u> </u>   | -            | _        | _              | -        | $\vdash$  |
| <u> </u>     | 108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118 | ļ  | _            | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>       | <b> </b> | $\square$ |
|              | 118   |  | _            |              |  | _            | _        |                |          | Щ         |
|              | 119   |  |              |              |  | <u> </u>     |          |                | L        | _         |
|              | 120   |  |              | L            |  |              |          |                |          | Ш         |
|              | 121   |  |              | L            |  |              |          |                | L.       |           |
|              | 120<br>121<br>122<br>123  |  |              |              | <u></u>  | L.           |          | <u> </u>       |          |           |
|              | 123   |  |              |              |  | L            |          |                | L        |           |
|              | 124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133        |  |              | L            |  |              |          |                |          |           |
|              | 125   |  |              |              |  |              | <u> </u> | L.             | <u> </u> |           |
|              | 126   |  |              |              |  |              |          |                |          |           |
|              | 127   |  |              |              |  |              |          |                |          |           |
|              | 128   |  | Π            | Π            |  |              |          |                |          |           |
|              | 129   |  |              |              |  | Ĭ            |          |                |          |           |
|              | 130   |  |              |              |  |              | Γ        |                |          |           |
|              | 131   |  |              |              | 1  |              | Γ        |                |          |           |
|              | 132   | T-   |              |              |  | T            |          |                |          |           |
|              | 133   |  | _            |              |  |              | T        | Π              | Г        |           |
| -            | 134   |  |              |              | _  |              | Т        |                |          |           |
| <u> </u>     | 134<br>135  |  | $t^-$        | Т            | 1  | T            | П        | Г              | Т        |           |
|              | 136   | <del>                                     </del> | T            | $\vdash$     | 1  | T            | T        | Г              | Π        |           |
| <b></b>      | 137   | T  | T            | T            | T  | Т            | 1        | T              | 1        |           |
|              | 137<br>138<br>139   | $\vdash$   | $\vdash$     | T            | <del>                                     </del> | $\vdash$     | $\vdash$ | T              | T        |           |
| <u> </u>     | 139   | <del>                                     </del> | $\vdash$     | $t^-$        | t  | $t^-$        | 1        | <u> </u>       | t        |           |
| <del></del>  | 140   | <del> </del>                                     | t            | <del> </del> | 1  | $t^-$        | 1        | T              | 1        | 1         |
|              | 141   | †-   | +-           | $t^-$        | +  | t            | 1        | T              | $t^-$    | †         |
| -            | 142   | <del>                                     </del> | $\vdash$     | $\vdash$     | +-   | +            | $t^{-}$  | $t^-$          | t        | T         |
| <del> </del> | 143   | +-   | +            | +            | +  | $t^{-}$      | +        | T              | t        | $\vdash$  |
| <b></b>      | 144   | $\vdash$   | $\vdash$     | +            | +  | $\dagger$    | +-       | $t^-$          | †-       | T         |
|              | 145   | 1-   | $\vdash$     | +            | ┼  | +            | +        | <del>  -</del> | †        | $\vdash$  |
| -            | 146   | +-   | +-           | $\vdash$     | +  | +-           | +-       | +-             | 1        | +         |
|              |   | ╄  | +-           | +            | +  | +            | +-       | +-             | +        | 1         |
| <b></b>      | 147   | +  | 1            | +            | +-   | 1-           | +        | +-             | 1        | $\vdash$  |
|              | 148   | $\vdash$   | +            | ╀            | +  | ╁            | +        | $\vdash$       | +        | ╁         |
| <u> </u>     | 149   | +  | +-           | ┼            | ┼  | +-           | +        | +-             | +        | +-        |
| L            | 150   |  | Д.           | L            |  | L.,          | Ц_       | Ь              | <u> </u> | Ь.        |
|              |   |  |              |              |  |              |          |                |          |           |